

ABSTRACT OF THE DISCLOSURE

A motorized syringe or pump for producing a controlled, slow-delivery of a fluid-like substance, includes: a housing having, at one end, an expansible-contractible chamber for receiving a quantity of the fluid-like substance and an outlet for discharging the substance upon the contraction of the chamber; and a drive at the opposite end of the housing including an electrical motor and a plunger for contracting the chamber to discharge the substance via the outlet. The housing is constituted of a first section housing the expansible-contractible chamber, and a second section housing the drive. The first housing section is attachable to and detachable from the second housing section to permit disposal of the first housing section after a one-time use. The drive includes a threaded sleeve fixed to the plunger, a threaded shaft engageable with the threaded sleeve for axially displacing the sleeve and the plunger upon rotation of the shaft, and a step-down transmission coupling the threaded shaft to the motor for rotating the shaft, and thereby for axially displacing the sleeve and plunger at a slow controlled rate upon the energization of the motor.